

IGNITION SERIES
FORENSICS FINGERPRINT LAB

Instructions

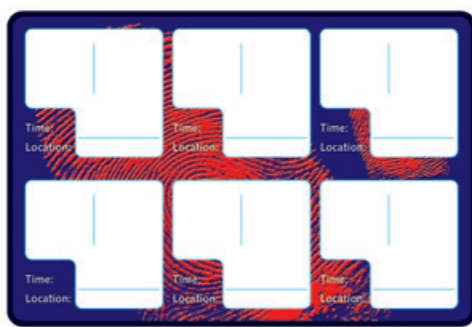
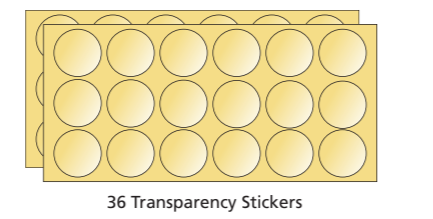
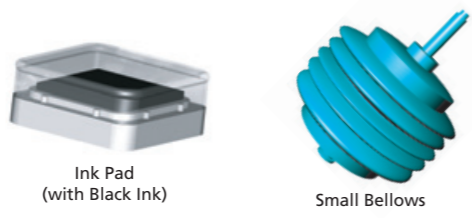
Warning! — This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully. Not to be used by children except under adult supervision.

Only for use by children 8 years of age and older. Use only under careful supervision of adults who have familiarized themselves with the kit's written safety precautions.

Information for Parents and Adults
Please stand by your child's side during these experiments, and be willing to offer your support and company. Before beginning an experiment, read through the instructions together and follow them. Please be sure that none of the kit components get into the hands of young children. Then, nothing will stand in the way of successful experimentation.

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Text and Concept: Ted McGuire; Additional Graphics and Layout: Dan Freitas
Distributed in North America by Thames & Kosmos, LLC, Providence, RI 02903
Phone: 800-587-2872; Email: support@thamesandkosmos.com
Printed in China / Imprimé en Chine

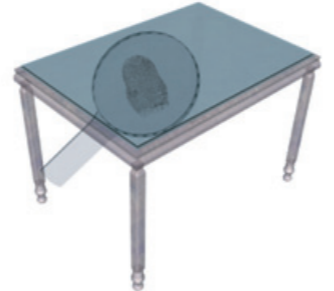
Contents



Tracking Down Fingerprints

Step 1
Detecting fingerprints

Use the magnifying glass to search for fingerprints on smooth and shiny surfaces such as tabletops, glass, and mirrors. Often you will just see a faint smudge or patterned discoloration. Look carefully!



Once you have spied one, sprinkle a little dusting powder over it. Be careful not to wipe off any fingerprints when you do this.



Important: The black powder can cause stains, so be careful not to get any on the carpet, tablecloth, or clothes!

Step 2
Making the fingerprints visible

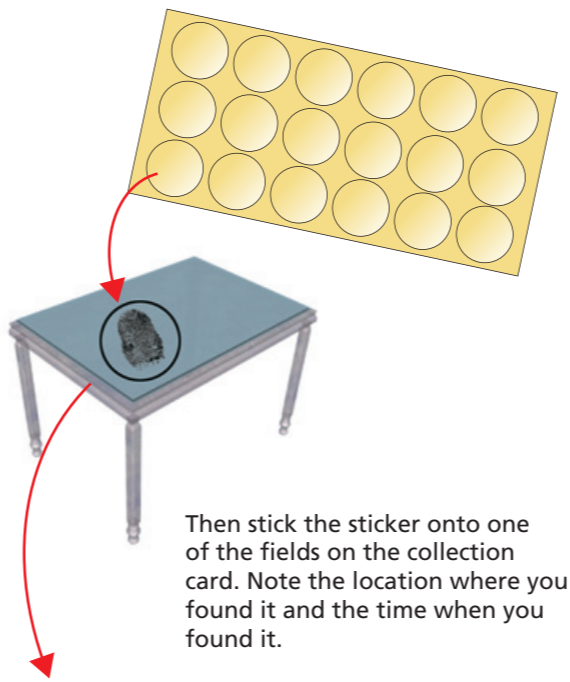
Use the small bellows to blow away the extra powder. The fingerprints will become visible.



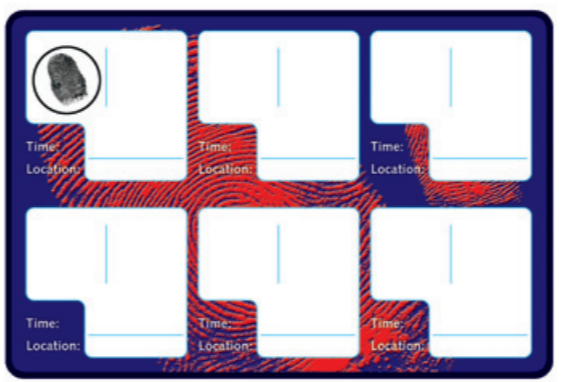
Important: Be sure that nobody gets the powder in their eyes or mouth.

Step 3
Collecting the Fingerprints

When you have found a nice, clear fingerprint, you can transfer it from the table to a fingerprint collection card. Simply stick one of the clear round stickers onto the blackened print, press once firmly, and then carefully pull the sticker away.



Then stick the sticker onto one of the fields on the collection card. Note the location where you found it and the time when you found it.



Important: When you are done, don't forget to wash your hands!

Step 4
Design a fingerprint file card

You can design a fingerprint file card for yourself and everyone else in your family. Then, you can compare all the fingerprints and assign them to certain categories.

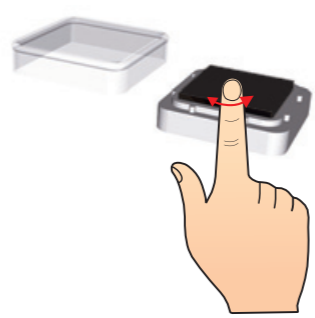
The FBI (Federal Bureau of Investigation) uses the so-called "Henry Classification System," which assigns fingerprints to eight basic types.

- | | |
|----------------|----------------|
| 1. Arch | 5. Loop |
| 2. Tented Arch | 6. Whorl |
| 3. Left Loop | 7. Double Loop |
| 4. Right Loop | 8. Mixed |
- You can find images of these on the reverse side.

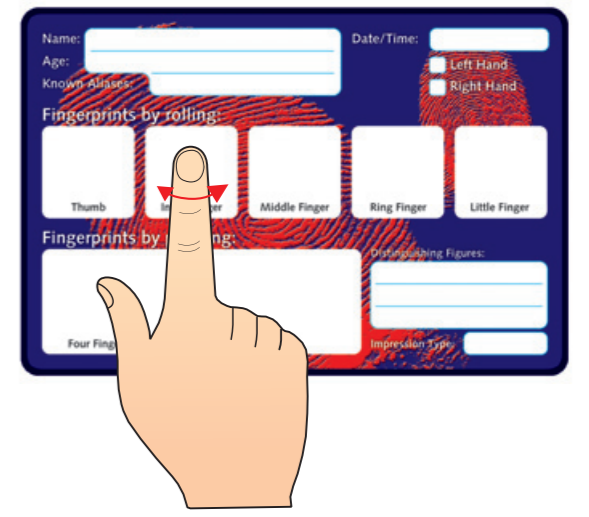
You can use the kit's ink pad and the file cards for this. When you design a file card, you should always enter the date along with the name and age of the person, and of course also indicate whether it is the right or left hand and whether you notice any peculiarities.

Step 5
How to take a good fingerprint

First, wash your hands and dry them thoroughly. Then start with the index finger of your right hand: Remove the lid of the ink pad and roll the fingertip over it.



When making the print on the file card, first set the left side of the finger on it and then roll your finger toward the right. Do the same with your middle finger, ring finger, and little finger in turn. You have now used the rolling method.



Step 6

Finally, it's the thumb's turn. Now you have all the fingerprints of your right hand together.

